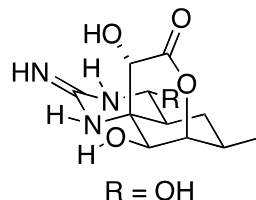


(-)-5,6,11-Trideoxytetrodotoxin (110702-TKGP)

Y. Ohfune, T. Shinada <sup>1)-3)</sup>

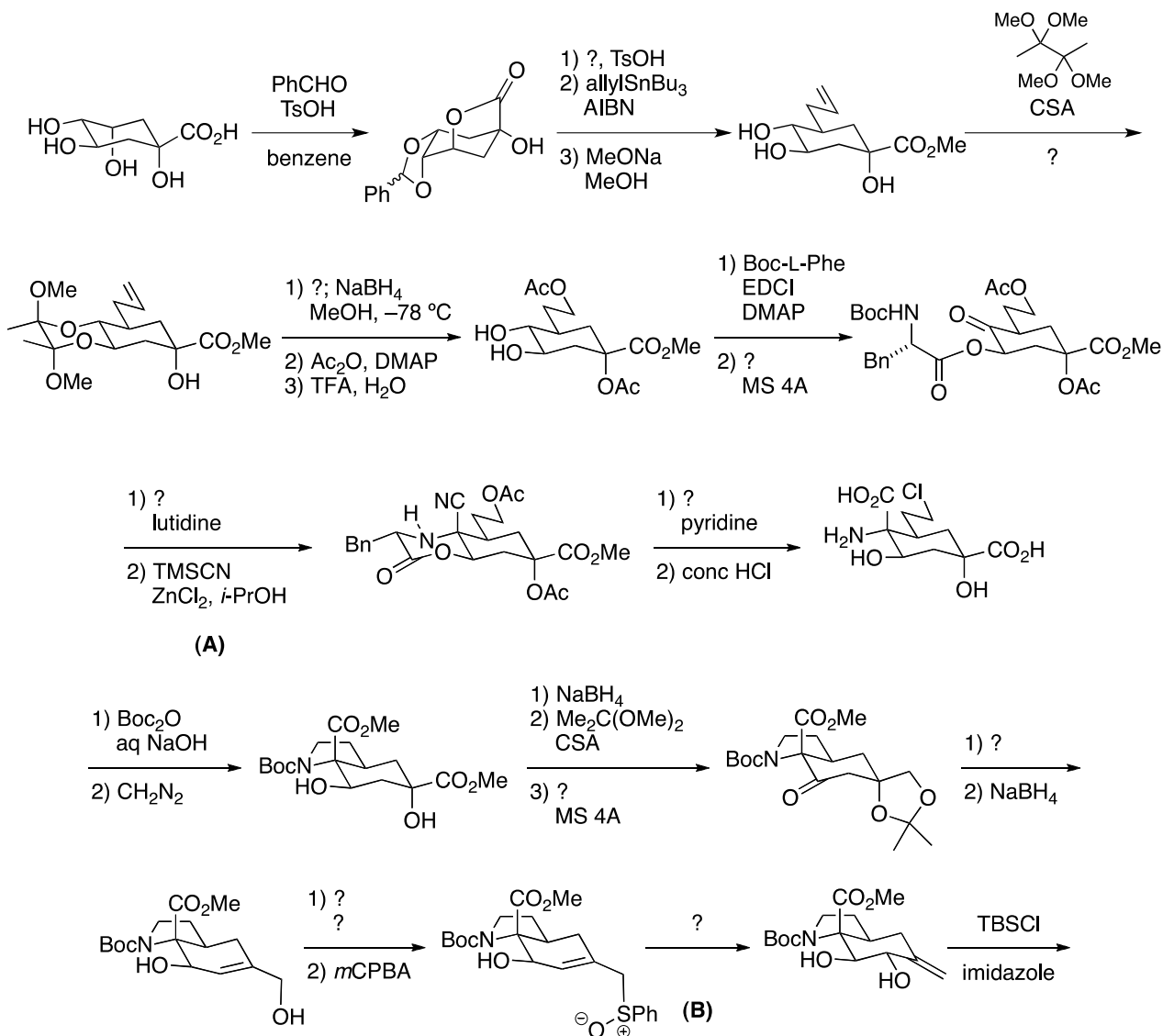


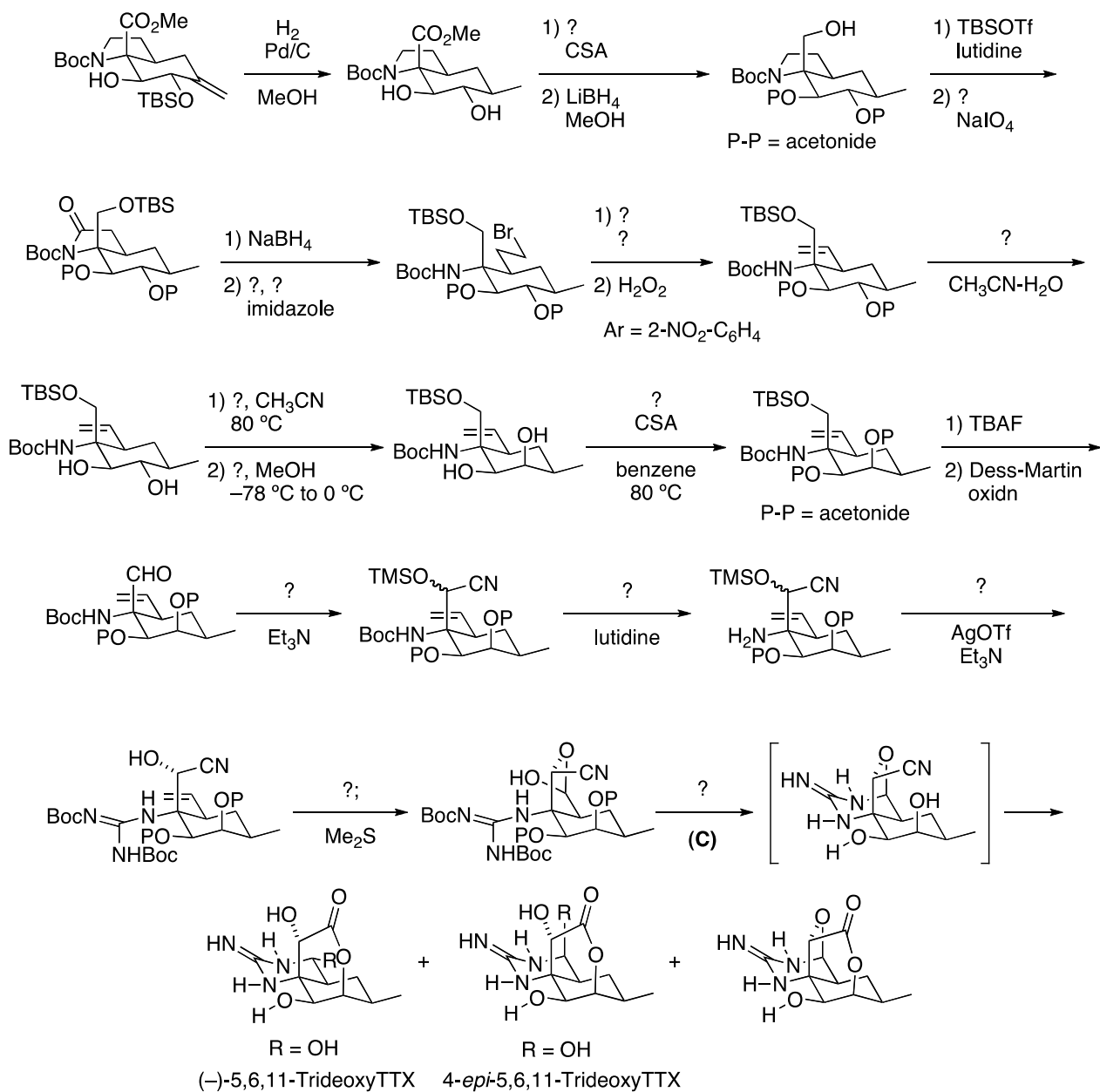
*Activity*

Inhibition of Na<sup>+</sup> channel (Na<sup>+</sup>チャンネル阻害)

*Key Reactions*

(A) asymmetric transferring Strecker synthesis, (B) Mislow-Evans rearrangement, (C) acid-mediated cascade cyclization





#### References:

- 1) T. Umezawa, T. Hayashi, H. Sakai, H. Teramoto, T. Yoshikawa, M. Izumida, Y. Tamatani, T. Hirose, Y. Ohfuné, T. Shinada, *Org. Lett.*, **8**, 4971 (2006)
- 2) T. Shinada, T. Kawakami, H. Sakai, H. Matsuda, T. Umezawa, M. Kawasaki, K. Namba, Y. Ohfuné, *Bull. Chem. Soc. Jpn.*, **79**, 768 (2006)
- 3) Y. Ohfuné, T. Shinada, *Eur. J. Org. Chem.*, 5127 (2005)